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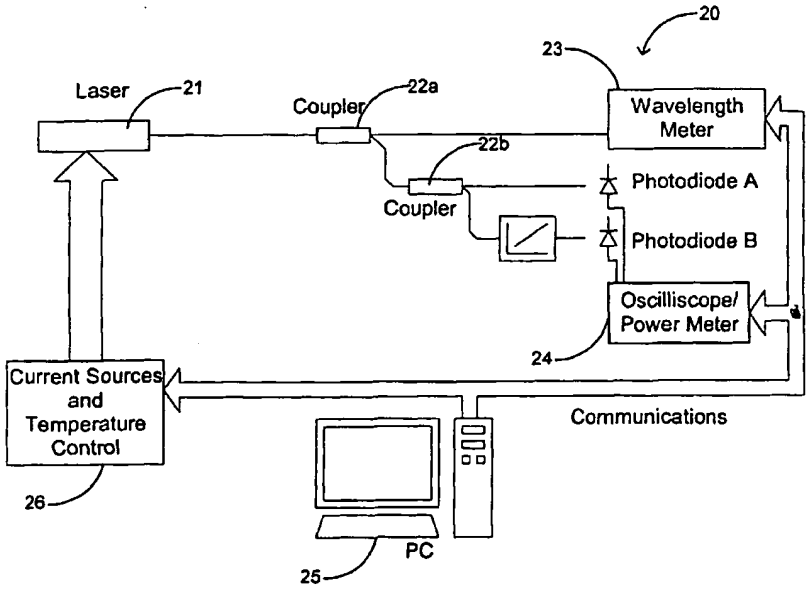
(54) Title: COMPENSATION OF MODE JUMPS IN MULTI SECTION LASERS



(57) Abstract: The invention provides a method and system for compensating variations in tuning efficiency and power of a multi-section tunable laser diode. The invention comprises a means to obtain a set of values for a specific section of the laser diode and a means to normalise the values to compensate the non-linearities in the set of values, hence compensating for variations in the tuning efficiency for that particular section of the laser diode. The invention is advantageous in that it is generic and can be applied to several different types of lasers. A further advantage of the invention is that the mode width can be determined as well as the mode modulation of the tunable laser.

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